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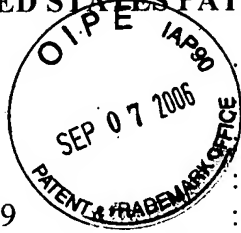
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Haruhisa TOYODA, et al.

Application No.: 10/565,939

Filed: January 26, 2006



Customer Number: 20277

Confirmation Number: 8290

Group Art Unit: 1742

Examiner: Not yet assigned

For: SOFT MAGNETIC MATERIAL, DUST CORE, TRANSFORMER CORE, MOTOR CORE,
AND METHOD OF MANUFACTURING DUST CORE

REQUEST FOR CORRECTED FILING RECEIPT

Mail Stop COFR
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is a copy of the Filing Receipt received from the U.S. Patent and Trademark Office in the above-referenced application. It is noted that the number of independent claims is incorrect. Attached is a copy of the Preliminary Amendment, which evidences that the number of independent claims is 1. It is requested that a corrected filing receipt be issued.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

A handwritten signature in black ink, appearing to read "S. Becker".

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Date: September 7, 2006

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UNITED STATES PATENT AND TRADEMARK OFFICE



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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/565,939	01/26/2006	1742	450	0704560100	3	8	(2) 1

CONFIRMATION NO. 8290

20277
MCDERMOTT WILL & EMERY LLP
600 13TH STREET, N.W.
WASHINGTON, DC 20005-3096

FILING RECEIPT



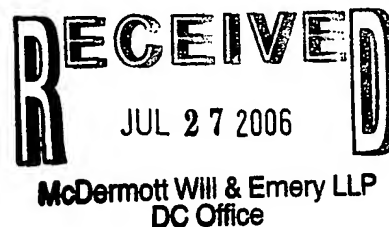
OC000000019619623

Date Mailed: 07/18/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

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Power of Attorney: The patent practitioners associated with Customer Number 20277.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/10954 07/30/2004

Foreign Applications

JAPAN 2003-282961 07/30/2003

If Required, Foreign Filing License Granted: 07/14/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/565,939**

Projected Publication Date: 10/26/2006

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ******Title**

Soft magnetic material, dust core, transformer core, motor core, and method for producing dust core

Preliminary Class

148

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Docket No.: 070456-0100



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Haruhisa TOYODA, et al.

Application No.: Not yet assigned

Group Art Unit: Not yet assigned

Filed: January 23, 2006

Examiner: Not yet assigned

For: SOFT MAGNETIC MATERIAL, DUST CORE, TRANSFORMER CORE, MOTOR CORE, AND METHOD OF MANUFACTURING DUST CORE

CORRECTED PRELIMINARY AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Prior to examination of the above-referenced application, please amend the application as follows:

Amendments to the Specification are on page 2 of this paper.

Amendments to the Claims begin on page 3 of this paper.

Amendments to the Abstract are on page 5 of this paper.

Remarks/Arguments are on page 6 of this paper.

IN THE SPECIFICATION

Please insert the following paragraph on page 1 after the title of the invention and before the "Technical Field":

--RELATED APPLICATION

This application is a national phase of PCT/JP2004/010954 filed on July 30, 2004, which claims priority from Japanese Application No. 2003-282961 filed on July 30, 2003, the disclosures of which Applications are incorporated by reference herein. The benefit of the filing and priority dates of the International and Japanese Applications is respectfully requested.--

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A soft magnetic material, comprising:

a plurality of composite magnetic particles (30) each having a metal magnetic particle (40) and an insulating film (20) surrounding a surface of said metal magnetic particle (40), and an organic substance (40) joining said plurality of composite magnetic particles (30) together,

Independent

wherein said organic substance (40) has a deflection temperature under load of not more than 100°C, 70°C, and a magnetic flux density when a magnetic field of 100 (oersted) is applied to a dust core fabricated using the soft magnetic material is not less than 1.4 (T: tesla).

2. (Currently Amended) The soft magnetic material according to ~~claim 1~~, wherein a ratio of said organic substance (40) to the soft magnetic material is ~~more than 0 and not more than 1.0% by mass~~; not less than 0.3% by mass and not more than 0.5% by mass.

3. (Currently Amended) A dust core using the soft magnetic material according to ~~claim 2~~, wherein ~~a magnetic flux density when a magnetic field of 100 (oersted) is applied is not less than 1.3 (T: tesla)~~; the dust core is formed as a hollow cylinder having a height H and a wall thickness T, said height H being not less than 25 mm and a ratio H/T of said height H to said wall thickness T being not less than 3.

4. (Currently Amended) ~~The soft magnetic material according to claim 1, wherein a ratio of said organic substance (40) to the soft magnetic material is more than 0 and not more than 0.5% by mass.~~ The dust core according to ~~claim 3~~, wherein said hollow cylinder has an outer diameter of not less than 30 mm.

5. (Currently Amended) ~~A dust core using the soft magnetic material according to claim 4, wherein a magnetic flux density when a magnetic field of 100 (oersted) is applied is not less than 1.4 (T:tesla).~~ A linear motor core using the dust core according to claim 3!

6. (Currently Amended) A transformer core using the dust core according to claim 5, wherein ~~the ratio of said organic substance (40) to the soft magnetic material is not less than 0.3% by mass and not more than 0.5% by mass~~ 3!

7. (Currently Amended) ~~The dust core according to claim 5, wherein~~

~~the dust core uses the soft magnetic material containing said organic substance (40) by not less than 0.3% by mass and not more than 0.5% by mass, and~~

~~the dust core is formed as a hollow cylinder having a height H and a wall thickness T, said height H being not less than 25 mm and a ratio H/T of said height H to said wall thickness T being not less than 3.~~ A method of manufacturing the dust core according to claim 3, comprising the steps of:

preparing a mold having an inner wall and defining a compression space at a location surrounded by said inner wall, and

putting the soft magnetic material into said compression space without applying a lubricant to said inner wall, and compression molding the soft magnetic material.

8. (Currently Amended) ~~A motor core using~~ The method of manufacturing the dust core according to claim 7, further comprising the step of performing thermal treatment after said step of compression molding, at a temperature of more than a glass transition temperature of said organic substance and not more than a thermal decomposition temperature of said organic substance.

9-15. (Cancelled)

IN THE ABSTRACT

This paragraph will replace all prior versions of itself in the application.

--ABSTRACT

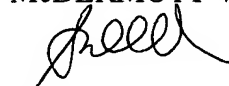
A soft magnetic material includes a plurality of composite magnetic particles (30) each having a metal magnetic particle (10) and an insulating film (20) surrounding a surface of the metal magnetic particle (10), and an organic substance (40) joining the plurality of composite magnetic particles (30) together. The organic substance (40) has a deflection temperature under load of not more than 100°C. With this structure, the soft magnetic material can obtain a desired magnetic property.--

REMARKS

The Specification has been amended to incorporate the continuity. The Claims have been amended for clarity and to delete the reference signs. The Abstract has been amended to delete the reference signs. No new matter has been introduced. Entry of this amendment is respectfully solicited.

Respectfully submitted,

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